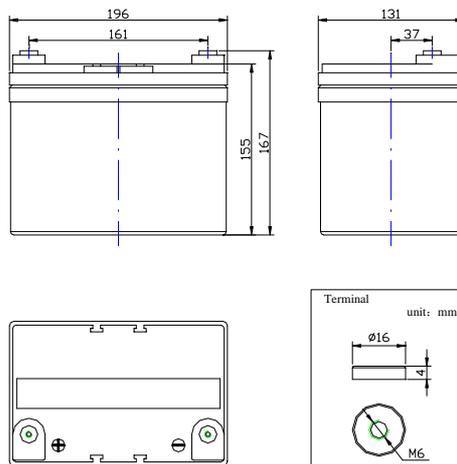


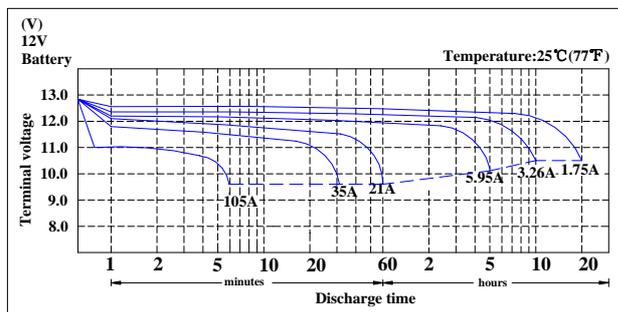
# HGL35-12



## Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		35AH
Dimension	Total Height (with terminals)	167mm(6.57 inches)
	Height	155mm(6.10inches)
	Length	196mm(7.72inches)
	Width	131mm(5.16inches)
Weight		Approx.10.3kg (22.66lbs)

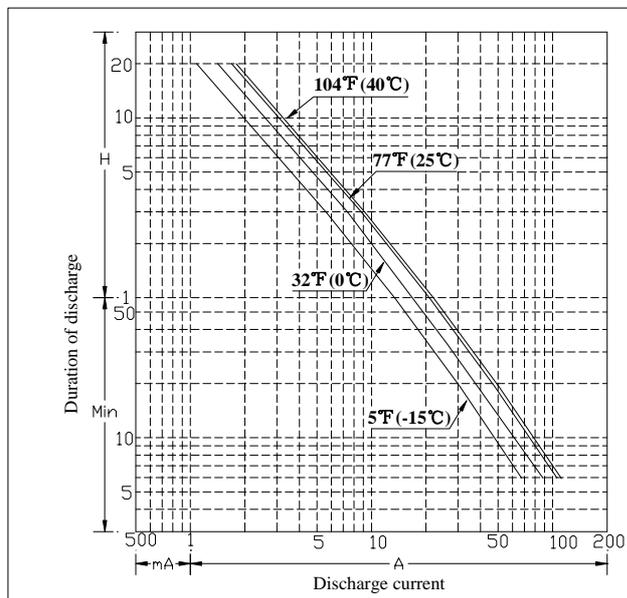
## Discharge characteristics 77 °F (25 °C)



## Characteristics

Capacity 77°F (25°C)	20 hour rate (1.75 A to 10.5Volts)	35AH
	10 hour rate (3.26A to 10.5Volts)	32.6AH
	5 hour rate (5.96A to 10.2Volts)	29.8AH
	1 hour rate (21A to 9.6Volts)	21AH
Internal Resistance	Full charged 77°F (25°C)	11m Ω
Standard Terminal	M6	
Capacity affected by Temperature (20 hour rate)	104°F (40°C)	102%
	77°F (25°C)	100%
	32°F (0°C)	85%
	5°F (-15°C)	65%
Self-Discharge 77°F (25°C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Max. Discharge Current 77°F (25°C)	525A (5s)	
Maximum Charge Current(A)	7A	
Charging (Constant Voltage)	Cycle	14.5V~14.9V/77°F (25°C)
	Float	13.6V~13.8V/77°F (25°C)
Temperature compensation coefficient of charging voltage (mV/°C/cell)	Cycle	-4mV/°C/cell
	Float	-3mV/°C/cell

## Duration of discharge vs. Discharge current



## Constant Current Discharge Rating Amperes @ 77°F (25°C)

Cut off voltage V/cell	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	20H	24H
1.75V	57	35	25	20.2	11.5	8.6	5.8	3.98	3.26	2.77	1.75	1.46

**Note** The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.